

**PROGRAM**



TIME
18:30

Tuesday, <b>AUG. 30, 2022</b>
<b>WELCOME RECEPTION</b> at Promenade, hosted by VIRTUAL VEHICLE

TIME
08:00
09:00
09:15
09:55
10:35
11:05
11:20
11:30
12:10

Wednesday, <b>AUG. 31, 2022</b>		
<b>REGISTRATION</b> Welcome Coffee & Breakfast		
<b>OPENING</b> Jost Bernasch   VIRTUAL VEHICLE Harald Kainz   TU Graz		
<b>KEYNOTE</b> Stefan Friedrich & Shivam Rastogi   Siemens Healthcare GmbH Digital twins as a new paradigm for decision making in healthcare	<div style="background-color: #ff9900; padding: 10px; text-align: center;"> <p><b>ESRIUM Workshop</b></p> <p>more infos soon</p> <p>Please register in Advance</p> </div>	
<b>TALK</b> Jost Bernasch   VIRTUAL VEHICLE Future of Vehicle Development		
<b>KEYNOTE</b> JAN BECKER   APEX AI What if cars could be as easy to program as smartphones are today?		
<b>Networking Break</b>		
<b>TALK</b> Frank Böllert   PTC Connecting the digital thread with systems engineering		
<b>EXHIBITOR Presentation</b> - 3 min each		
<b>Lunch Break</b>		<b>12:10</b>
<b>Room 1: Automated Driving</b> Session Chair: Paolo Pretto		<b>Room 2: Virtualization</b> Session Chair: Martin Benedikt
Holger Meinel ADAS & AD vs. SW defined vehicle development: what does it mean? How will it work?		<b>13:30</b> Bernd Fachbach   VIRTUAL VEHICLE Thomas Paier   ZKW Effective Product Instance Derivation for Early Concept Development
Frank Krämer   IBM ONLINE Modernize AI, AV and HPC Workloads with Kubernetes and a High-performance Global Data Strategy (DGS)		<b>13:55</b> Christoph Bräuchle   PTC Collaborative Engineering and Agile Culture Accelerate product innovation and delivery for the digital mobility industry
Joachim Glaess   VI-grade Roberto de Vecchi   Konrad Technologies Driver in the Loop (DiL) with Sensor Fusion Testing	<b>14:20</b> Josef Zehetner   AVL List Sebastian Dörr   Conweaver Continuous automation for interlinked system validation	
<b>14:45</b>	<b>Coffee Break</b>	
<b>Room 1: Automated Driving</b> Session Chair: Daniel Watzenig	<b>Room 2: Virtualization</b> Session Chair: Christoph Gumbel	
Kmeid Saad   Ansys Physics Based Synthetic Data for Real-World Radar Applications	<b>15:05</b> Mirko Nentwig   Automotive Safety Technologies Building reliable simulations for the verification and validation of highly automated vehicles	
Philipp Rosenberger   TU Darmstadt CAVM: A Novel Metric for Validation and Credibility Prediction of Active Perception Sensor Simulation	<b>15:30</b> Irina Costachescu, Marius Andrei, Conrado Ramirez Garcia   NXP & Mathworks Cost-effective Battery State-of-Charge Estimation leveraging AI and Model-Based Design	
Alexander Braun   University of Applied Sciences Düsseldorf MTF as a performance indicator for AI algorithms?	<b>15:55</b> Davide Gorgoretti   Siemens Digital Industries Software From Track to Digital Twin: A Machine Learning and sensing approach to tire and steering system modeling	
Fabian Bronner   Dspace Performing "Software-in-the-Loop" Tests on an Extendible Virtual Validation Platform	<b>16:20</b> Thomas Paier   ZKW Compensating shortcomings of MBSE through data science and machine learning	
<b>16:45</b>	<b>Networking &amp; Beer</b>	
<b>17:30</b>	<b>End of Day 1</b>	
<b>19:30</b>	<b>EVENING EVENT</b> at FREIBLICK, hosted by VIRTUAL VEHICLE	

TIME
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Thursday, <b>SEP. 01, 2022</b>		
<b>Welcome Coffee</b>		
<b>Room 1: Automated Driving</b> Session Chair: Holger Meinel	<b>Room 2: Virtualization</b> Session Chair: Alexander Braun	
Gerhard Steininger   Deloitte Safety Management System for SAE Level 4 Vehicles	<b>09:00</b> Harisyam Manda, Bernhard Peischl   AVL List Reinforcement Learning based Thermal Management for Cabin Heating Mode Selection	
Patrick Weissensteiner   VIRTUAL VEHICLE Operational Design Domain-driven V-model for Virtual Validation of Automated Driving Systems	<b>09:25</b> Bernd Fachbach   VIRTUAL VEHICLE Siegfried Idinger   Siemens Mobility Digitalization of Production – Worker Guidance within Rail Vehicle Assembling	
Manuel Kadletz   OHB Digital GPS/GNSS Simulations for enhancing Resilience of Automotive Positioning Systems	<b>09:50</b> Marius Dupius   Bzell Minimizing the Room for Interpretation of Simulation Standards	
Jinwei Zhou   Kontrol Digital homologation and verification of AD functions: A simulation and RAAS based AD homologation solution	<b>10:15</b> Nadine Riske   GNS Systems CI/CD for the Digital Twin: Accelerate lean validation with test automation	
<b>10:40</b>	<b>Networking Break</b>	
<b>11:00</b>	<b>11:00</b>	
<b>PITCH SESSION</b> (15 min each)	<div style="background-color: #ff9900; padding: 10px;"> <p><b>KMUntermacher</b> 11:00 - 13:00</p> <p>11:00 – 11:15 DIH World</p> <p>11.15 – 11.30 FFG Förderungen &amp; Services</p> <p>11:30 – 11:45 SFG Förderungen &amp; Services</p> <p>11:45 – 12:15 Services Virtual Vehicle</p> <p>12:30 – 12:45 Technische Digital Twin-Serviceleistungen/GRITLAB</p> <p>12:45 – 13:00 Datenanalyse und datengetriebene Services</p> <p>13:00 – 14:00 Networking</p> <p><b>KMUntermacher</b> Please register in advance: <a href="#">FREE REGISTRATION</a></p> </div>	
Mario Oswald   AVL List Vehicle Model Factory - Automatic Generation of Digital Vehicle Twins		
Alexandru Forrai   Siemens Digital On test coverage in case of scenario-based validation		
Clemens Linnhoff   TU Darmstadt Environmental Influences for Modeling Active Perception Sensors		
Christopher Woll   GNS Systems Future Engineering Data Management: Manage data-driven product development with a single system for engineering data		
Ayhan Mehmed & Stefan Wachter   AIT & msg Plaut Automated Driving: Regulatory Aspects		
<b>12:30</b>		<b>Lunch Break</b>
<b>14:00</b>		<b>14:00</b>
<b>ROUND TABLE - ROOM 2</b> Alexander Braun & Marius Dupius HS Düsseldorf Quantifying Simulation Quality Round Table, Round 2		<b>DEMO INTERACTIVE ZONE</b> <b>TBC</b>
<b>Room 1: Automated Driving</b> Session Chair: Selim Solmaz		<b>Room 2: Virtualization</b> Session Chair: Martin Wifling
Robert Fina   Johannes Kepler Reduction of the approval and test time in automotive engineering by solving a Vehicle Routing Problem	<b>15:15</b> Franz Langmayr   Uptime Engineering The knowledge base for product reliability	
Rolf Magnus   AKKA GmbH VIRTUAL/AD Systems Reality – Validation of ADAS/AD Systems	<b>15:40</b> Christian Buchholz, Maik Auricht   Dassault Systemès Implementation of Model Based Test Management in MBSE based development processes	
<b>16:05</b>	<b>Summary</b>	
<b>16:20</b>	<b>Farewell with drinks &amp; snacks</b>	
<b>17:00</b>	<b>End of GSVF 2022</b>	